

Title (en)  
Method for joining multi-layered pipe

Title (de)  
Verfahren zum Verbindung eines Mehrschichtrohres

Title (fr)  
Procédé pour la liaison d'un tuyau multicouche

Publication  
**EP 1510746 A1 20050302 (EN)**

Application  
**EP 03255286 A 20030826**

Priority  
EP 03255286 A 20030826

Abstract (en)  
A method for joining a multi-layered pipe 37 to a coupling 35, the multi-layered pipe including at least one electrically conducting layer 3 and at least one thermoplastic layer 1, 2 and the coupling 35 comprising a thermoplastic material, the method comprising: fitting an end of the multi-layered pipe into an end 36a of the coupling; encircling the assembled pipe end and coupling with an electrically conductive coil 31; and passing an alternating current through the electrically conductive coil 31 sufficient to cause mutual induction in the electrically conducting layer 32 of the multi-layer pipe 37.  
<IMAGE>

IPC 1-7  
**F16L 47/03**; B29C 65/02

IPC 8 full level  
**B29C 65/02** (2006.01); **F16L 47/03** (2006.01); B29C 65/00 (2006.01)

CPC (source: EP)  
**B29C 65/203** (2013.01); **B29C 65/3656** (2013.01); **B29C 65/3668** (2013.01); **B29C 65/368** (2013.01); **B29C 66/12441** (2013.01); **B29C 66/522** (2013.01); **B29C 66/5221** (2013.01); **B29C 66/52291** (2013.01); **B29C 66/52292** (2013.01); **B29C 66/534** (2013.01); **B29C 66/5344** (2013.01); **B29C 66/723** (2013.01); **B29C 66/80** (2013.01); **B29C 66/818** (2013.01); **F16L 47/03** (2013.01); **B29C 65/3476** (2013.01); **B29C 65/3488** (2013.01); **B29C 66/636** (2013.01); **B29C 66/71** (2013.01); **B29C 66/72321** (2013.01); **B29K 2023/06** (2013.01); **B29K 2023/0641** (2013.01); **B29K 2023/065** (2013.01); **B29K 2023/12** (2013.01); **B29K 2101/12** (2013.01); **B29K 2105/203** (2013.01); **B29K 2305/00** (2013.01); **B29K 2305/02** (2013.01); **B29K 2995/0008** (2013.01); **B29L 2009/00** (2013.01); **B29L 2009/003** (2013.01); **B29L 2023/22** (2013.01)

Citation (search report)  
• [A] US 6585924 B1 20030701 - HARGET DAVID CHARLES [GB], et al  
• [A] WO 9727418 A1 19970731 - UPONOR ALDYL COMPANY [US], et al  
• [X] PATENT ABSTRACTS OF JAPAN vol. 017, no. 633 (M - 1513) 24 November 1993 (1993-11-24)  
• [X] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 09 31 October 1995 (1995-10-31)

Cited by  
US7263975B2; WO2006081247A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1510746 A1 20050302**

DOCDB simple family (application)  
**EP 03255286 A 20030826**